

Technical Data Sheet

Bona U300

Sound Decoupling Matting

Bona U300 is an underlayment made of fine granules of PU foam with cork and PU elastomer bonding agent. Used under parquet, laminate floors and other floor coverings it will reduce the transmission of sound from footfall. If the underlayment is bonded by adhesives both to the subfloor and the parquet it can reduce the stresses on a (weak) subfloor.

- Easy to lay
- Improvement of walking and living comfort
- Low VOC product

Technical Data

Base:	fine granules of PU foam with cork and PU elastomer bonding agent
Color:	brown (cork), black/grey/beige/brown (PU foam). Color is going to change under sun light. This has no effect on the quality or neither the technical properties.
EMICODE:	EC1 Plus
Density:	approx. 550 kg/m ³
Tensile strength:	approx. 0.8 N/mm ²
Elongation at break:	approx. 30%
Thickness:	2, 3 and 5 mm (± 0.3 mm)
Service temperature range:	- 30°C bis 80°C
Heat transfer resistance:	0.04 m ² K/W for 3 mm slab
Flammability resistance:	Efl (EN 13501)
Impact sound improvement*:	$\Delta LW = 16 \text{ dB}^{**}$ with 2mm under 10mm engineered parquetry $\Delta LW = 18 \text{ dB}^{**}$ with 2mm glued under 10mm parquetry block $\Delta LW = 18 \text{ dB}^{**}$ with 3mm glued under 16mm parquetry block $\Delta LW = 19 \text{ dB}^{**}$ with 2mm glued under 10mm parquetry (2 layer)
Pack size (Rolls):	2 mm: 1,00 m x 30 m 3 mm: 1,00 m x 20 m 5 mm: 1,00 m x 16 m

Subfloor Preparation

The substrate must be even, totally dry, clean, free from cracks, physically sound and have a slightly textured surface. If necessary, it should be professionally prepared for laying.

Suitable Subfloors

- Unheated or heated screeds
- Screed elements, chipboard or plywood
- Concrete
- Mastic asphalt
- Other well-prepared subfloors

N.B. floors with underfloor heating are suitable, but check for heat transfer resistance

Processing

Loose laid:
Bona U300 can be used also for the sound insulation for floating wooden floors. Lay the U 300 on the floor without overlapping and cut it to the shape of the room.

14.07.2021

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Fastening



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Fully bonded:

Lay the Bona U300 at an angle of 45-90° to the intended laying direction of the floor. Lift a section approx. half its length and apply the adhesive on the exposed subfloor. Re-lay Bona U300 within the open time of the adhesive and press firmly.

Proceed in this way until Bona U300 is completely adhered to the subfloor. Apply the adhesive using notched trowel Bona 850G. In case of coarse and weak surfaces a notched trowel with higher teeth likes Bona 1000G is recommended. After the base adhesive has set the parquet or laminate can be laid and adhered to the Bona U300 in the usual way. For rooms wider than 5 m expansion joints should be installed in parquet or laminate.

Important Notes

The following adhesives are recommended to glue down Bona U300 to the subfloor:

- Bona R777 / R778
- Bona Quantum/Quantum T/ Titan

Use the same adhesive for the following parquet installation!

Suitable parquet types

Block parquet

Solid timber strips / planks

Engineered multi-layered parquet

End grain (use only Bona U300 3 mm)

Parquet floors without groove and tongue - use Bona U300 2 mm only

Please also refer to the instructions for use provided by the parquet or flooring manufacturer.

* Test carried referring to DIN EN ISO 10140 (Bona U300 glued down, parquet installed loose laid)

** Please note, that the given impact sound reduction values are based on laboratory tests, carried out under standardized conditions. Due to the building's specific acoustic properties, wood species, parquet type, and climate conditions etc. they do not reflect the true conditions on site. To determine the effective level of sound reduction, an on-site inspection under real conditions is necessary.

Bona takes only responsibility for the delivered product, no responsibility can be taken for the total installed product. If in doubt, conduct a test or a trial. Observe also other Bona product datasheets.

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